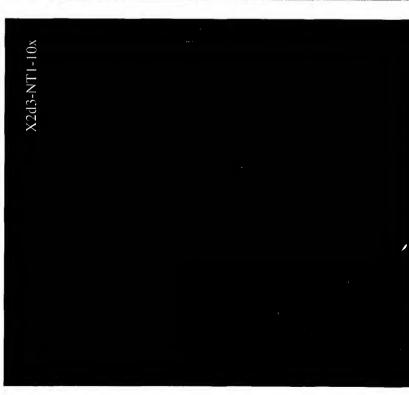
Fig. 1a Non-Transduced hWSCs in Immuno-competent

iced hMSCs in Immuno-compe mouse muscle Day 3

DiI + hMSCs





Human MSCs in Mouse Muscle: Day-7

(H&E)



Dil labelled cells + Sybr-green staining of all nuclei

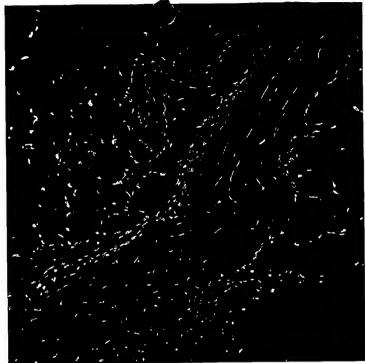
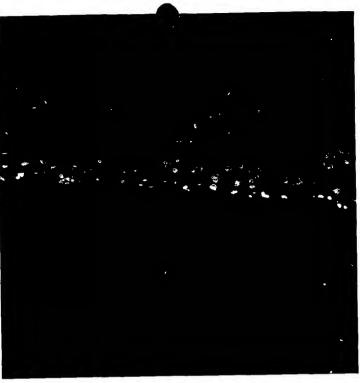


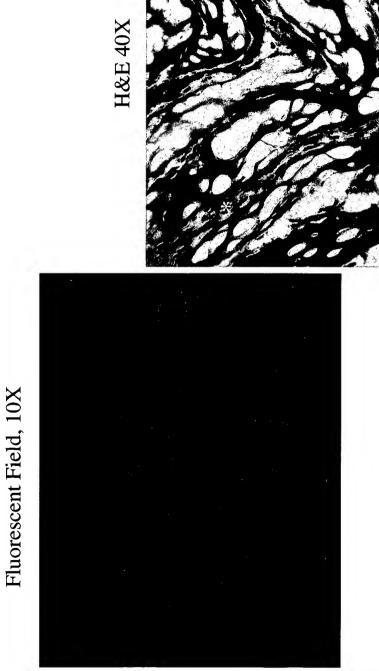
Fig.1c

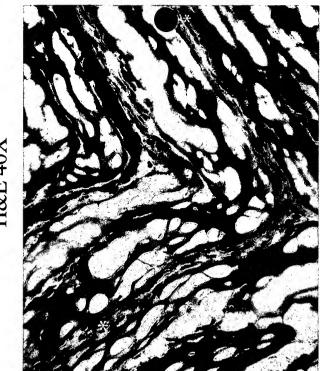
Human MSCs in Mouse Muscle: Day-7

(H&E, 20X)



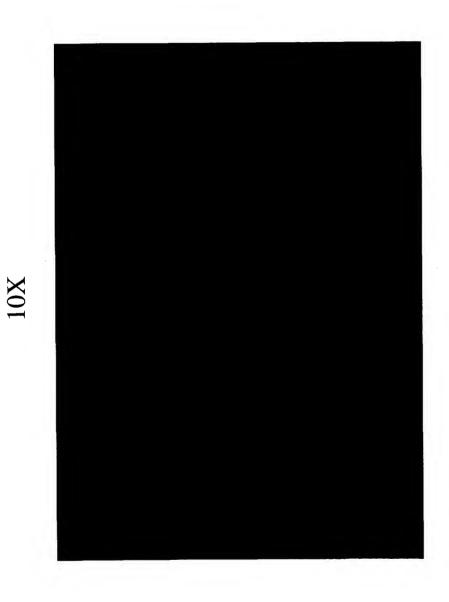






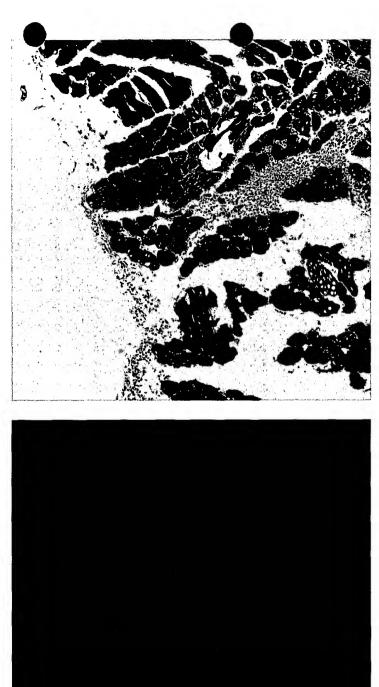
Dil -Positive & GalA Transduced hMSCs in d43 Immuno-competent mouse muscle Fig. 1e **d**29

Human aGalA-Transduced MSCs in Mouse Muscle: Day-57



TOATTE GREEFEED FIGURE-2

D3: IM injection of DiI-labeled PBMCs



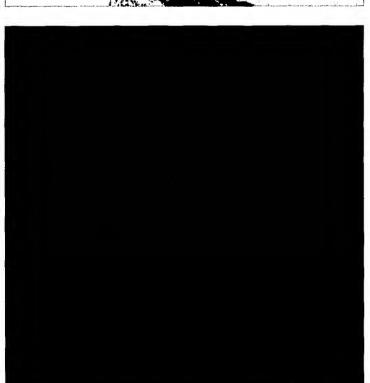
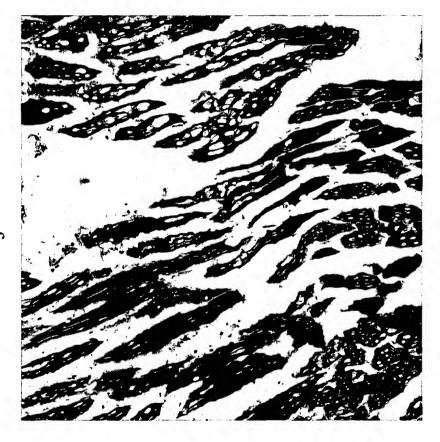
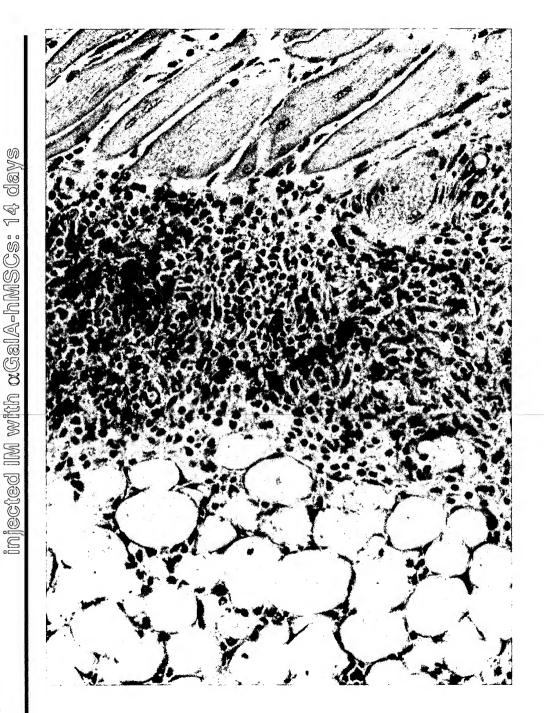


Figure-3

D3 IM injection of saline

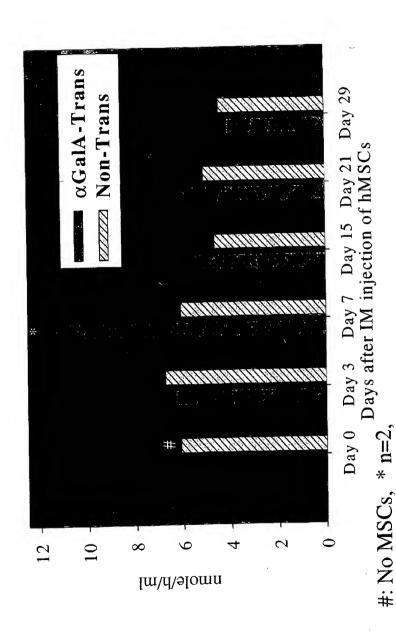


Red and Blue Florescence Channels merged



agala iminundstain-ortwescle from Mouse

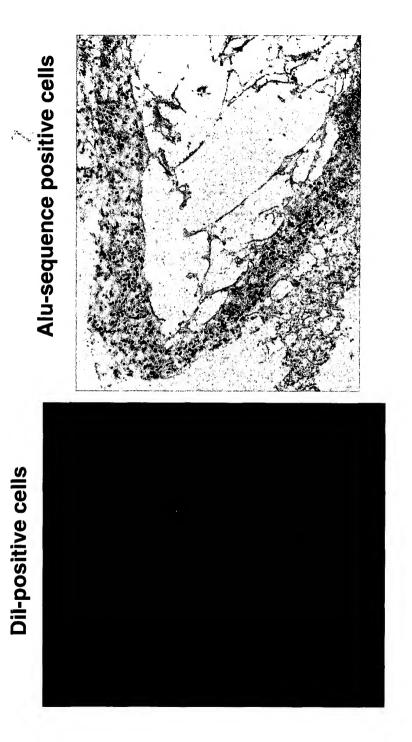
IM-injected with α -GalA-Transduced hMSCs α-GalA activity in Plasma of Mice



Fabry Mice plasma: 0.5 nmole/h/ml, PNAS 97:7515

Human-specific Alu sequence staining of hMSCs

injected into Immuno-competent mouse muscle



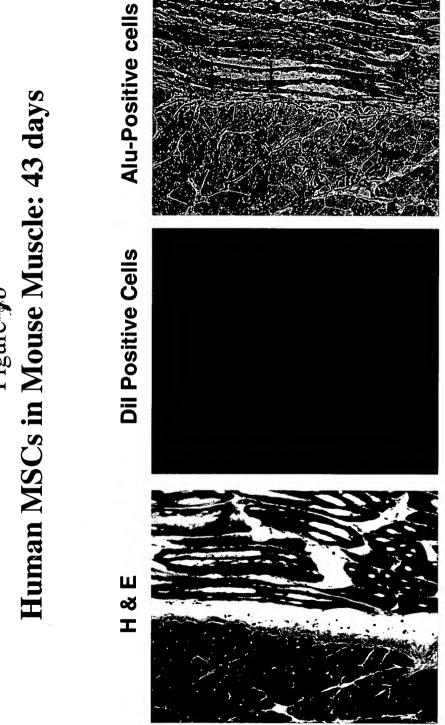
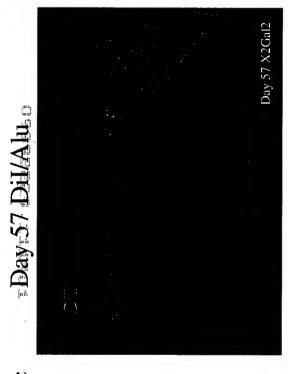
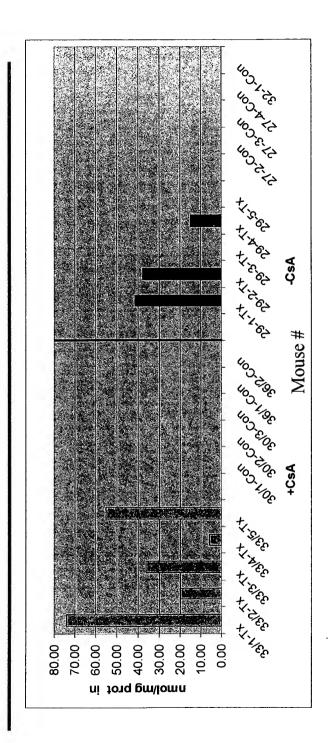


Figure 7c





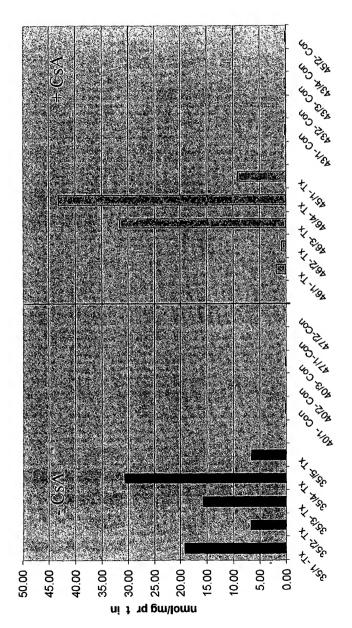
14 days after IM injection of aGalA-Transduced hMSCs agald Activity in Muscles of Fabry-KO mice: Figure-8a



 $Tx = \alpha GalA$ Transduced cells injected into muscle

Con = Vehicle alone injected into muscle

28 days after IN injection of a Gala-Transduced MNSCs agala Activity in Muscles of Fabry-Ko mice: Figure-8b



 $Tx = \alpha GalA$ Transduced cells injected into muscle

Con = Vehicle alone injected into muscle

Figure-**4**a

injected IP with a GalA-hMSCs on Cultisphers : α Gala immunostain of Liver from KO Mouse 14 days

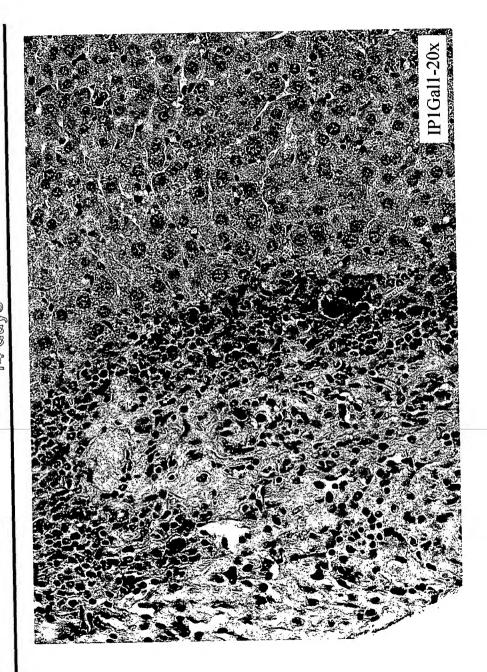
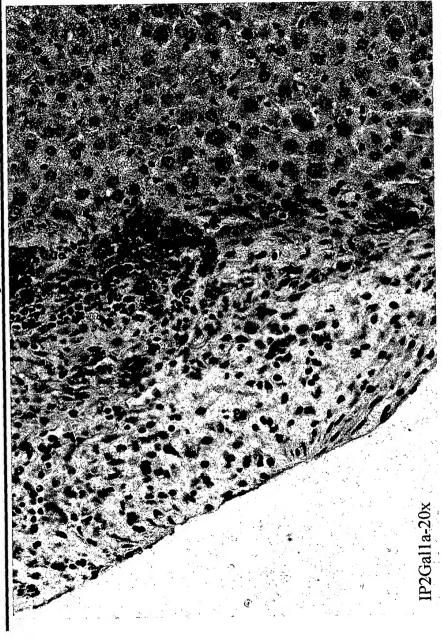


Figure-4b

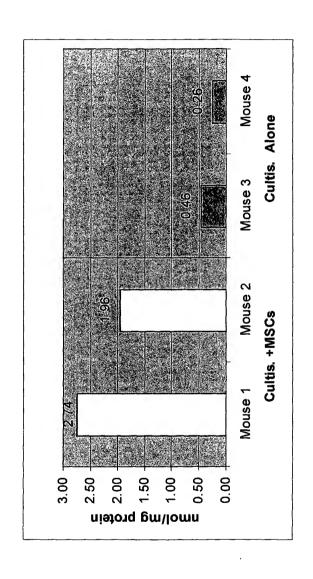
agala immunostain of Livertforn KO Mouse injected IP with agala-hMSCs on Cultisphers :

14 days



Intra-Peritoneal Deivery of a Cala-Transduced hMSCs to Fabry Knock-Out Nice

αGalA Enzyme



Increase in a GalA is 5% of normal mouse liver activity (41 nmole/mg)